

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A ~~magnetic bearing assembly adapted to be used with a motor of a heat-dissipating device~~, comprising:
a rotor having an impeller and a shaft;
a base for supporting said rotor;
a magnetic portion ~~connected coupled~~ to a said shaft and a said base of ~~said heat dissipating device~~ for simultaneously generating axially and radially magnetic forces to position the shaft; and
a bearing portion ~~connected coupled~~ to said shaft and said base for supporting said shaft upon rotation of said shaft.
2. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 1, wherein said axially and radially magnetic forces are repulsive magnetic forces or attractive magnetic forces, respectively.
3. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 1, wherein said magnetic portion includes an upper magnetic portion and a lower magnetic portion.
4. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 3, wherein said upper magnetic portion and said lower magnetic portion are disposed symmetrically on two opposite sides of said bearing portion and include a first magnetic ring, a second magnetic ring and a third magnetic ring, respectively.

5. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 4, wherein said first magnetic ring and said third magnetic ring are connected to said shaft and said second magnetic ring is connected to said base.

6. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 4, wherein said second magnetic ring and said third magnetic ring are disposed in a radial alignment with each other to have the same polar disposition.

7. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 4, wherein said first magnetic ring and said second magnetic ring are disposed in an axial alignment with each other to have an opposite polar disposition.

8. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 3, wherein said upper magnetic portion includes an inner magnetic ring and an outer magnetic ring and said lower magnetic portion includes a first magnetic ring, a second magnetic ring and a third magnetic ring.

9. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 8, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with each other to have the same polar disposition.

10. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 8, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with each other to have an opposite polar disposition.

11. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 8, wherein said first magnetic ring and said third magnetic ring are connected to the shaft and said second magnetic ring is connected to said base.

12. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 8, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with each other to have an opposite polar disposition for generating axially repulsive magnetic forces.

13. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 8, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with each other to have an identical polar disposition for generating axially attractive magnetic forces.

14. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 1, wherein said bearing portion is a sleeve bearing.

15. (Currently Amended) A ~~magnetic bearing assembly adapted to be used in a heat-dissipating device~~, comprising:

a rotor having an impeller and a shaft;

a base for supporting said rotor;

~~a magnetic portion connected coupled to a said shaft and a said base of said motor~~ for simultaneously generating a radially magnetic force and an axially magnetic force, wherein said magnetic portion includes a first magnetic portion and a second magnetic portion which are disposed symmetrically in opposite orientations for respectively simultaneously providing said radially and axially magnetic forces; and

a bearing portion ~~connected~~ coupled to said shaft and said base for supporting said shaft upon rotation of said shaft.

16. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 15, wherein said axially and radially magnetic forces are repulsive magnetic forces or attractive magnetic forces, respectively.

17. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~claim 15, wherein said first magnetic portion and said second magnetic portion are disposed symmetrically on two opposite sides of said bearing portion and include a first magnetic ring, a second magnetic ring and a third magnetic ring, respectively.

18. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~^{claim} 17, wherein said first magnetic ring and said third magnetic ring are connected to said shaft and said second magnetic ring is connected to said base.

19. (Currently Amended) A ~~magnetic bearing assembly adapted to be used in a heat-dissipating device~~, comprising:

a rotor having an impeller and a shaft;

a base for supporting said rotor;

a magnetic portion ~~connected~~ coupled to a said shaft and a said base ~~of~~ ~~said~~ ~~motor~~ for generating a radially magnetic force and an axially magnetic force, wherein said magnetic portion includes a first magnetic portion for providing said radially magnetic force and a second magnetic portion for providing said axially magnetic force; and

a bearing portion ~~connected~~ coupled to said shaft and said base for supporting said shaft upon rotation of said shaft.

20. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~^{claim} 19, wherein said first magnetic portion includes an inner magnetic ring and an outer magnetic ring and said second magnetic portion includes a first magnetic ring, a second magnetic ring and a third magnetic ring.

21. (Currently Amended) The ~~magnetic bearing assembly heat-dissipating device~~ according to ~~Claim~~^{claim} 20, wherein said first

magnetic ring and said third magnetic ring are connected to the shaft and said second magnetic ring is connected to said base.

22. (Currently Amended) The ~~magnetic bearing assembly~~ heat-dissipating device according to ~~Claim~~claim 20, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with each other to have the same polar disposition.

23. (Currently Amended) The ~~magnetic bearing assembly~~ heat-dissipating device according to ~~Claim~~claim 20, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with each other to have an opposite polar disposition.